Department of the Interior
Y2K Master Plan

Each Bureau/Office will submit a master plan for each mission-critical system being tracked by OMB. These plans are due back to Dave Brandt by January 15, 1998. Master Plans will include, but not be limited to, the following information:

System Name: **SCADA - WYAO** System Owner: **GP Region, Wyoming Area Office**		
Task	Scheduled Completion Date	Actual Completion Date
Analysis:		
- existing code	06/1997	06/1997
- internal interfaces	06/1997	06/1997
- external interfaces	06/1997	06/1997
Remediation	06/1998	11/1997
Testing:		
- regression testing	08/1998	12/1997
- integrated testing	08/1998	12/1997
- Y2K testing	08/1998	12/1997
Independent Validation and Verification	n/a	n/a
Implementation	09/1998	12/1997
Costs:	Estimated	Actual
Enter costs in whole dollars	$3,000.00	$3,000.00

Enter all dates in mm/yyyy format

Attached timeline by Y2K Phase (include critical path);

Conversion Complete.

List of resources needed/used (use separate figures for Government employees and contractors in work weeks, months, or years, as appropriate);

ModComp Service Technician (.5 wwe)
SCADA Operators (.08 WYE), Larry Aksamit (307) 261-5636
ModComp Hardware Upgrade to Model 3295

List any systems (internal and external) that this system receives data from or delivers data to for processing, manipulation, etc. Include input and output file names, contact names, target dates for remediation and verification:

Output

GP Region Sutron Hydromet Data Management System (DMS), Roger Michel (406) 247-7758. GP Region DMS is output from the BOR Pacific Northwest Hydromet application entitled PNOPER. Remediation is scheduled for completion 03/1998 and verification is scheduled for completion 11/1998.

North Platte River Daily Water Accounting System, GP Region, Wyoming Area Office, Ed Kouma, (307) 261-5633. Remediation was completed 11/1997. Verification is scheduled for completion 05/1998.

Testing methodology used to assure functionality was not affected by repairs (regression testing, etc.):

The various date and number formats known to cause functionality and Y2K problems were located in the code and corrected to the 4 digit date field where logically possible. In some instances changing the 2-digit date field would have caused the system to fail. These instances are programmatically corrected in the output to protect the integrity of the data and Y2K compliance for input into other systems. The changes made to the code were tested on the fail-safe system before real-time implementation on the primary system.

Validation methodology to assure that this system will be Y2K compliant:

Used test data on the fail-safe to make sure that 2 character date fields, logic using pre-Y2K date formats, and output in 2 character format were located and, where possible, corrected.

Independent validation and verification is not feasible as the SCADA system is internal to the Wyoming Area Office Power Plant facilities, proprietary, and operation is real-time.

The following will be submitted addressing your organization's overall Y2K plan:

Evidence of thorough Assessment

Completed Y2K Program Questionnaire (attached)